



Data and Privacy File Guides

**Apple Media Services:
Schoolwork Handouts for Teacher**

May 2024

File name Handouts.json

File description Contains data related to the user's Schoolwork Handouts, including data about the handout, attachments related to the handout, and the recipients of the handout (handouts are the method by which instructors can provide a message to students and enable them to track student progress).

Why Apple keeps this information Apple retains this information to display Handouts in Schoolwork, provide a means through which teachers can share information or homework with students, and to log the Handout's assignee.

Field Name	Details
Attachment	Attachments associated with a handout
App Bundle Identifier	An identifier of the application with which the attachment is associated
App Information	The application in which the attachment was created
App Reference Number	An identifier for the content with which the attachment is associated
Content Store Identifier	An identifier used to correlate the associated content with an item in the App Store
Context Path	Describes the attachment's context (if the attachment type is Schoolwork compatible)
Context Type	What kind of assignable content is offered
Item ID	The attachment's identifier
Item ID Path	The location of the associated context within an application
Item Title	The attachment's user-facing name
Last Modified	The date and time at which the attachment was last modified
Open (can be handed in)?	Whether the attachment is locked
Parent Item ID	An identifier for the handout with which the attachment is associated
Permission Type	The permissions given to students for the attachment
Sharing Method	The method by which the attachment is shared to students

Field Name	Details
Type	The attachment's type grouping
URL	The attachment's URL
Handout	A message for students that may consist of announcements, reminders, instructions, assigned activities, or requests for work
App Information	The application in which the handout was created
Date Created	The date and time at which this handout was created
Due Date	The date and time at which this handout is due
Date Published	The date and time at which this handout was published to the class
Instructions	A description written by the instructor for the work assigned
Item ID	An identifier for the handout
Item Title	The handout's title
Last Modified	The date and time at which this handout was last modified
Last Reviewed	The date and time at which this handout was last reviewed
Publication Status	The handout's status within the publication process
Reviewed?	Whether the instructor has reviewed the handout
Recepient	The student with which a handout is associated
Apple ID Number	Apple account identifying number
App Information	The application in which the recipient was created
Class ID	An identifier for the class with which the recipient is associated
Item ID	An identifier for the handout's recipient
Parent Item ID	An identifier for the handout with which the recipient is associated
Custom Person Attachment	Describes the teacher's state and relationship with the Person Attachment
Attachment ID	An identifier for the attachment
Date Created	The date and time at which the object was created
Date Last Modified	The date and time at which the object was last modified

Field Name	Details
Item ID	An identifier for the Person Attachment
State Value	The user's state of the Person Attachment
Survey	The survey in the assignment
Attachment ID	An identifier for the attachment
Created by User Reference	The Apple account identifying number of the user who created the survey
Date Created	The date and time at which the object was created
Date Last Modified	The date and time at which the object was last modified
Item ID	An identifier for the survey's recipient
Survey Date Last Modified	The date and time the teacher last modified the survey
Survey Type	The type of survey (e.g., UNKNOWN, EXIT_TICKET)
Title	The title of the survey
Survey Step	A question belonging to a survey
Answer Format Type	The type of survey question (e.g., UNKNOWN, MULTIPLE_CHOICE, OPEN_RESPONSE, SLIDER)
Date Created	The date and time at which the object was created
Date Last Modified	The date and time at which the object was last modified
Item ID	An identifier for the survey step's recipient
Item Type	The type of survey step (e.g., UNKNOWN, QUESTION)
Maximum slider bar value	Maximum value on the slider bar question
Maximum slider text	Label of the maximum value on the slider bar question
Middle slider text	Label of the middle value on the slider bar question
Minimum slider bar value	Minimum value on the slider bar question
Minimum slider text	Label of the minimum value on the slider bar question
Multiple choice type	The type of survey multiple choice (e.g., UNKNOWN, DEFAULT, SMILEY_FACE, STAR_RATING, THUMB_UP_DOWN)
Open response type	The type of response (e.g., UNKNOWN, SHORT, LONG)

Field Name	Details
Open response question text	The prompt or question on the open response question
Question Text	The question text
Slider type	The type of survey slider type (e.g., UNKNOWN, CONTINUOUS)
Survey ID	An identifier for the survey
Survey Multiple Choice Option	One of the options belonging to a multiple choice question
Date Created	The date and time at which this handout was created
Date Last Modified	The date and time at which this handout was last modified
Question Option Text	The name of the multiple choice option
Survey Step ID	The identifier to the survey step
Assessment	The assessment that has been assigned
Late Submissions Allowed	Whether late answer submissions are allowed on the assessment
Assessment Status	Whether an assessment is locked, and the test taker will be directed to the Schoolwork app
Assessment ID	Identifier to the assessment
Assessment Markup ID	Identifier associated with any pencil markup that was added to the assessment
Date Created	Date created
Date Last Modified	Date last modified
User Id	Apple account identifying number of the test maker
Parent Item ID	Identifier of the parent attachment
Thumbnail Asset ID	Identifier of the assessment's thumbnail
Instruction Asset IDs	Identifiers to the instructions on the assessment
TakerWork	The assessment taker's and grader's work, including answers and feedback
Parent Assessment ID	Identifier to the parent assessment
Date Created	Date record was created
Grader Last Returned	Date and time the grader last returned the test to the student
Date Last Modified	Date and time record was last modified

Field Name	Details
Grader Markup Asset ID	Identifier to any grader pencil markup that was added to the assessment
Grader Score Asset ID	Identifier to the grader's score asset
Grader State	The state of the grader's progress - not started, in progress, or submitted
Detailed Information	List of extra score information
ContentAsset	Media included in the assessment, like PDFs, pencil mark-up.
Asset ID	Identifier of the asset to Content Store
File Name	Identifier associated with the file stored in Content Store
Item Metadata	Metadata about the content that was uploaded, (e.g., length, width, height, etc.)
Date Created	Date created
Date Last Modified	Date last modified
Parent Item ID	Identifier to parent record